



(E) Community Facilities and Services

Purpose

This element follows the guidelines of the Minimum Planning Standards for Community Facilities and Services. Various key characteristics of community services that support current and future demand are reviewed, including:

- Water Supply and Treatment
 - Distribution Systems
 - Treatment Systems
- Sewerage Systems and Wastewater Treatment
 - Collection Systems
 - Treatment Systems
 - Septic Systems
- Other Facilities and Services
 - Fire Protection
 - Public Safety
 - Parks and Recreation
 - Stormwater Management
 - Solid Waste Management



1. Water Supply and Treatment

The City of Carrollton draws its water from the Little Tallapoosa River, which is fed by three reservoirs. The Little Tallapoosa River runs through one of these reservoirs, Lake Buckhorn. Sharpes' Creek Reservoir flows into the Little Tallapoosa River, and Lake Carroll flows into Curtis Creek, which then flows into the Little Tallapoosa River. All three reservoirs act as the recharge mechanisms for the city's water withdraw resource.

The City owns and operates a 12.0 million gallons per day municipal surface water treatment plant located at 1007 North Park Street and serving the citizens of Carrollton and portions of unincorporated Carroll County. The water treatment plant is a conventional sedimentation/filtration facility that includes raw water withdrawal from the Little Tallapoosa River, treatment of the water to drinking water standards, and pumping the finished water through transmission mains to the distribution system. With the latest expansion constructed in 1996, the treatment facility consists of raw water pumping, flow measurement, chemical conditioning, rapid mix, flocculation, sedimentation, disinfection, fluoridation, corrosion control, and high service pumping. The operation and maintenance of the water plant is a primary function in the operation and maintenance of the water system. (Excerpts taken from the *Water Treatment Plant Operation and Maintenance Plan*)

1.1 Distribution Systems

The City operates a distribution of network pipes and valves that provide water to customers within Carrollton and portions of unincorporated Carroll County. Water distribution system storage consists of 7 elevated storage tanks, as indicated below.

Storage Tanks

Location	MGD
Bankhead Highway	0.4
Blandenburg "A"	2.0
Blandenburg "B"	2.0
Lassiter Road "A"	0.4
Lassiter Road "B"	0.6
Maple Street	0.5
Oak Mountain	0.4
University of West Georgia	0.3
Clear Well "A"	0.8
Clear Well "B"	1.0
Total Storage Capacity	8.4

Source: Carrollton Water Department

Water Service Area

The Department provides water services to approximately 8,700 customers within the city limits, 1,766 of which are located within unincorporated Carroll County. As such, the geographic water service area is related to the Carrollton City limits and outlining areas.



1.2 Treatment Systems

The Carrollton Water Treatment Plant is a conventional sedimentation/filtration facility for the treatment of surface water to remove turbidity (particulate matter) and

microbiological contamination (bacteria, Giardia and Cryptosporidium). The treatment process includes raw water screening and intake, raw water pumping, flow measurement, chemical addition, rapid mix, flocculation, sedimentation, filtration, chemical conditioning and disinfection.

Future Demand

Future demand for water services were developed based upon existing water usage and population projections. Figure xxx below demonstrates the future water demand for the City of Carrollton.

Projected Water Demand

Year	AADD (gpd)	Peak Day (gpd)
2005	5.5	7.2
2010	5.9	7.7
2015	6.4	8.3
2020	6.9	9.0
2025	7.3	9.6
2027	7.5	10.0

Source: Carrollton Water Department



2. Sewerage Systems and Wastewater Treatment

2.1 Collection System

The City of Carrollton owns and operates a sanitary wastewater sewerage system consisting of a network of collection pipes, drains and lift stations, a pre-treatment plant, sludge application site and a spray irrigation facility. As of February of 2006, the system served approximately 8,700 customers, 1,766 (20%) of which are located within unincorporated Carroll County. There are nine wastewater pump stations in the City which are required to lift the wastewater to elevations that are sufficient for gravity flow to continue transporting the wastewater to its final destination. The wastewater is treated and disposed of by a Land Application System (LAS) that consists of a 1,400 acres spray field located in western Carrollton.

Sanitary Sewer Facilities Inventory

Sanitary Sewer Lines (size 8" – 42")

173 miles

Manholes

4002

Pump Stations

9

The City currently treats approximately 4 million gallons a day (MGD) of wastewater and is permitted by the Georgia Environmental Protection Division (EPD) for 7 MGD, indicating the city has the capacity to meet short term future demand.

2.2 Treatment Systems

The Carrollton Wastewater Treatment Plant facilities achieve acceptable wastewater treatment levels by utilizing an extended aeration and activated sludge process, whereby a biological culture, maintained under aerobic conditions, removes certain pollutants from the wastewater. The biological culture is composed of a large number of microorganisms, which utilizes suspended and dissolved materials in the wastewater as a food source. The concentration of microorganisms in the process is maintained at an appropriate level to balance the available food. During removal of the materials from the wastewater, the microorganisms consume oxygen, therefore, a continuous supply of oxygen must be provided to satisfy the microorganisms' aerobic needs.

Process Elements

Equipment	Unit #
Bar Screens	2
Raw Wastewater Pumps (4 MGD)	4
Aerated Grit and Grease Removal Tanks	2
Aerated Flow Equalization Basin	1
Air Delivery Systems (blowers)	3
Activated Sludge Process Tanks	2
Circular Clarifiers	3
Sludge Thickeners	2
Aerobic Sludge Digestion Tanks	2

Source: Carrollton Wastewater Treatment Department



In an effort to provide efficient use of the city's wastewater facilities, The City's Department performs scheduled maintenance on the Wastewater Collection System. To do so; information is collected by us of remote cameras, smoke and general flow monitoring to assist in prioritizing work on the collection system. For example, defective laterals are periodically replaced to re-establish existing services, reduce maintenance expenses and eliminate groundwater infiltration into the collection system. Additionally, new manholes are installed where needed; others will be replaced or rehabilitated to improve structural integrity, reduce groundwater infiltration and improve collection system operations and minimize costs as inflow and infiltration is decreased.

2.3 Septic Systems

Septic systems are generally not allowed for residential development within the City. New developments are required to connect to sewerage and wastewater systems.



3. Other Facilities and Services

3.1 Fire Protection

The City of Carrollton Fire Department serves the citizens of Carrollton, the students of the University of West Georgia and a surrounding portion of Carroll County. The Department operates with a staff of 50 personnel, 3 fire stations, 3 fire engines, a 90-foot Aerial Platform truck and a regional Hazardous Materials Response Team. All members of the Department are State Certified Firefighters, Medical First Responders, EMT or Paramedic and have specialized training in hazardous materials response. The Department responded to 3,655 calls in 2005, of which included: fires, medical calls, auto accidents, machinery accidents, fire alarms, carbon monoxide problems and a variety of other emergency situations.

The City's Department is based from three stations, including Stations #21, #22 and #23. The main station/headquarters is located at 155 West Center Street and is referred to as Station #21. The second station, located at Brumbelow Road, is referred to as Station #22 and station #23 is located on Central High Road.

Existing Fire Station Locations and Facilities, 2005

Fire Station	Location	Size of Facility (sq. ft.)
Station #21	West Center Street	12,000
Station #22	Brumbelow Street	4,000
Station #23	Central High School Road	3,200

Source: Carrollton Fire Department Staff

The Fire Department is now in the process of acquiring property for a new station along Northside Drive for the purpose of added fire protection for portions of northeast Carrollton. Staffing needs for the new facility will include 12 additional firefighters and a fire engine. The funding source for the new facility and engine were allocated from the Carroll County Special Purpose Local Options Sales Tax (SPLOST).

Existing Department Vehicles

Year and Model	Use and Assignment	Unit
2003 American LaFrance	Fire Engine-1500 gpm pumper	Engine 21
2003 American LaFrance	Fire Engine-1500 gpm pumper	Engine 22
2004 American LaFrance	Fire Engine-1500 gpm pumper	Engine 23
1992 Sutphen	Fire Engine-Reserve Pumper	Reserve Engine 21
1992 Sutphen	Fire Engine-Reserve Pumper	Reserve Engine 22
1993 Sutphen	Fire Engine-Reserve Pumper	Reserve Engine 23
2003 Freightliner FL112	Hazardous Materials Unit	HAZ/MAT 1
1993 Sutphen	Aerial Ladder Tower (90ft)	Ladder 21
2004 Ford Crown Victoria	Fire Chiefs Car	Unit 10-01
2000 Ford Crown Victoria	Captains Car	Unit 10-02
1996 Ford Crown Victoria	Reserve Captains Car	Reserve Unit 10-02
2005 Ford F-250 4WD	Training Officers Truck	Unit 10-07
1990 Ford F-150 Truck	Hydrant Maint. Truck	Unit 10-09
1968 GMC Truck	Reserve Hydrant Maint. Truck	Reserve Unit 10-09



The Insurance Services Office (ISO) of Georgia establishes fire insurance ratings based on a scale from one to ten, with a one being the best and ten being no fire protection. The higher the score the greater the insurance premiums are paid by property owners and tenants. In 1981, Carrollton was issued an ISO rating of 6 and 6/9 (9 being for areas covered by the City's Department but located within unincorporated). This rating reflected the potential for high fire risks and the continuance of high insurance costs.

The City was re-graded in 1995 to an ISO rating of 3, reflecting considerable improvement since the 1980's. In 2005, the city continued to maintain an ISO rating of 3.



3.2 Public Safety

The Carrollton Police Department currently occupies two buildings; the main station is shared with City Hall services and is located at 115 West Center Street and a satellite station known as the Aubrey Mitchell Precinct is located on the western side of town. These two stations serve as office space for 64 fulltime sworn officers, 13 civilian employees and eight part-time employees. Prisoner transport and detention are maintained by the Carroll County Sheriff's office.

Police Service Facilities - City of Carrollton

Service Unit	Size of Facility (sq. ft.)
City Hall Station	15,000
Aubrey Mitchell Precinct	500

Source: Carrollton Police Department

The Department has three divisions: Uniform Services, Support Services and Criminal Investigations. Uniform Services is responsible for the day-to-day operations of the Department and includes the Patrol Unit, the Traffic Unit, the Bike Unit, and the Housing Authority Patrol Unit.

The Criminal Investigative Services Division investigates incidents to determine whether a crime has been committed. This division collects and organizes facts and evidence that lead to the identification, apprehension, and the prosecution of the offender and consists of four units: Crimes Against Persons, Crimes Against Property, Identification and Evidence, and a Street Level/Drug Unit. This division is also attached to the WestGeorgiaDrug Task Force, a multi-jurisdictional unit commanded by the Georgia Bureau of Investigations (GBI) with enforcement powers throughout the Coweta Judicial Circuit.

The Support Services Department is responsible for the operation of three divisions, including the Carrollton Municipal Court, Training and Crime Prevention. Support Services work closely with the Municipal Judge and Solicitor to ensure proper court proceedings. The Training Division holds the responsibility of insuring that all employees of the Department are adequately trained utilizing in-house instructors as well as various resources from the State of Georgia. The Crime Prevention Division is the primary conduit of safety information to the community and manages civilian programs such as volunteers in policing and crime stoppers.

Service Area

As mentioned above, the Department is presently served by two stations, one centrally located in downtown and one at the west side of town. These individual stations do not have a specified service area; rather, they each respond to calls throughout the City depending upon the nature of the situation. As such, the service area for the Department is the City limits.



Carrollton's crime rate is higher than Georgia. The following exhibits indicates that between 1985 and 2004, on average, the City had higher rates of violent and property crime than the state.

The Department does not currently have plans to increase the number of on-duty personnel. Preliminary plans do exist, however, to locate existing officers and administrative personnel at the future fire station site on Northside Drive for the purpose of providing citizens in the area with an immediate location for obtaining fire as well as police services.



3.3 Parks and Recreation

Recreation services for the community of Carrollton and portions of Carroll County fall under the policy direction of the Carrollton Parks, Recreation and Cultural Arts Commission, a six member body appointed by the Mayor and City Council and responsible for setting guidelines and approving goals set by the Department Director.

Since the formation of the Parks, Recreation and Cultural Arts Commission in 1956, the Department has received awards too numerous to account. The Department was recognized as the Gold Medal Winner in its class during the late 1980's signifying one of the top U.S. recreation programs. In more recent history, in 2004 the Department met 156 national standards and was awarded National Accreditation from the Commission for Accreditation of Park and Recreation Agencies (NRPA).

In total, the Department administers and maintains over 20 parks and municipal grounds. Of the twenty parks, only Lakeshore Park, East Carrollton Park, and West Carrollton Park contain major athletic facilities used for organized sports. The remaining parks offer a variety of amenities ranging from walking paths to basketball courts, picnic areas, playgrounds, tennis and roller hockey courts, as well as, landscaped gardens.

City Parks

Park	Size (Acres)
Alice's Park	.50
City Hall Park	.50
City Park	2.40
East Carrollton Park	86.00
Knox Park	9.00
Hays Mill Park	26.60
Kramer Park	2.00
Lakeshore Park	80.00
Log Cabin Park	1.80
Longview Park	9.90
Memorial Park	1.70
Midtown Water Park	2.00
Oil Park	6.90
Optimist Park	7.00
Presbyterian Park	2.80
Rome Street Park	.10
Smith Park	.30
Triangle Park	3.00
West Carrollton Park	7.50
Worthy Park	.30
Total	250.30

Source: Parks & Recreation Staff



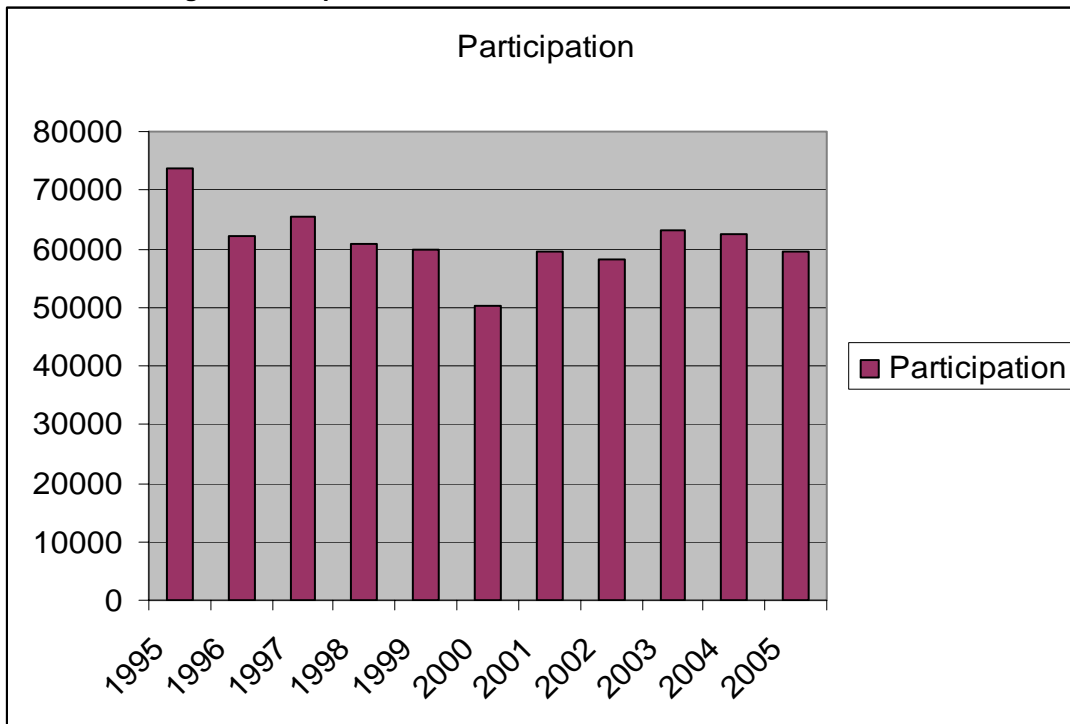
Carrollton Parks and Facility Uses	Baseball/Softball Fields	Basketball (outside)	Bike Trails	Concession Stand	Fishing/Boat Ramp	Flowers Beds/Gardens	Football/Soccer Fields	Gymnasium	Lake/Creek	Meeting Rooms	Pavilion	Picnic Areas	Picnic Grill	Playground	Pool	Reception Hall	Recreation Center	Restrooms	Tennis Courts	Volleyball	Walking Track/Trail	Fitness Center
Alice Park Bonner						X																
Bonner Center								X									X	X		X		X
Carrollton Community Center						X				X							X	X				
Carrollton Cultural Arts Center						X				X							X	X				
Castle Playground														X				X				
City Hall Park						X																
City Park								X				X	X	X								
East Carrollton Park	X		X	X			X				X	X		X				X				
East Carrollton P&R Center				X				X		X							X	X				
Hays Mill Park			X								X							X			X	
Kramer Park												X										
Knox Park		X									X	X		X				X			X	
Lake Carroll					X				X			X						X				
Lakeshore Park/Center/Natorium	X	X	X	X			X	X		X	X	X	X	X	X		X	X	X	X	X	
Log Cabin Park					X	X			X			X	X									
Longview Park							X					X		X					X		X	
Memorial Park of Trees																						
Midtown Water Park				X								X			X		X	X				
Oil Park	X			X							X	X	X	X				X				
Piney Woods Park									X					X							X	
Presbyterian Park												X									X	
Rome Street Park											X	X										
Senior Center												X					X	X				
Southwire Park							X														X	
Smith Park												X										
WPA Center																X	X	X				
West Carrollton Center	X							X		X							X	X				X
Worthy Park												X										

Source: Carrollton Parks & Grounds Division Maintenance and Operation Manual (August 2005)



To meet future participation levels, short and long term planning for the Department is dictated by a Facility Improvements Plan. The Department's Plan attempts to identify Department goals by maintaining an inventory of current and future needs based upon future population characteristics and density, land use patterns and accessibility to-and-from recreational activities.

Recreation Program Participation



Source: City Parks, Recreation and Cultural Arts Department

Immediate and long term plans for the Department includes the renovation and extension of the East Carrollton Park - a property that intersects Northside Drive and North Lake Drive and formally the location of an air strip. The improvements planned for the area are detailed within a Master Plan developed in 2003. The Plan provides illustrations, construction timelines and costs for the reconfiguration and development of a new softball field facility into a competition and tournament-friendly wagon wheel arrangements with a centrally-located concession and restroom building. Other phases of development detailed within the Master Plan include a large (approx. 20,000 SF) freestyle skating zone, a picnic shelter, and sitting and picnic areas, extended youth soccer fields and additional parking facilities.

Finally, under the direction of the department, in 2002, the City partnered with a small group of citizens to create a Greenspace program for the community. During the meetings, the committee, made up of representatives from the Planning Department, the Recreation Department and local citizens, recognized an opportunity to create a greenbelt, or multi-use path, around the city that would connect four schools, several commercial areas, and many of the existing neighborhoods. The committee formalized



this proposal by creating a 30-year implementation plan to build a 14-mile multi-use trail that could be used for recreation and non-motorized transportation by everyone in the community.

Since the development of the concept in 2002, the Mayor and Council, city staff, and community activists have participated in a fundraising effort to kick-off the Greenbelt Program. The Mayor and Council purchased (using state Greenspace allocation funds) a 26-acre tract on Hays Mill Road adjacent to Buffalo Creek. The Recreation Department secured a \$100,000 Land and Water Conservation Fund Grant for developing trails and hardscaping on this tract, as this property will serve as Phase I for the Carrollton Greenbelt and will connect Hays Mill Road with the City of Carrollton School Campus. Also, since the development of the concept, federal and state grants have been awarded for the project in excess of one million dollars.



3.4 Stormwater Management

The City of Carrollton does not currently operate a stormwater utility. The city has funded an inventory of all existing stormwater systems located within the city right of way, including catch basins, roadway drainage, curbs and gutters, ditches and storm drain structures. The inventory is maintained by the Engineering Department and is used to schedule periodic inspections for general upkeep.

3.5 Solid Waste Management

The City of Carrollton provides weekly curbside collection of household, commercial and industrial trash. The city has a fleet of rear-loading garbage trucks for collection operations. Backyard pickup and discounted rates for service are available to elderly persons.